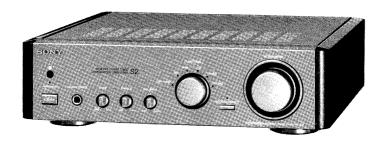
TA-S2

SERVICE MANUAL

AEP Model UK Model



TA-S2 is the integrated stereo amplifier section in SHC-S2. (UK model only)

SPECIFICATIONS

Amplifier selection

Continuous RMS power output

(German model)

40 + 40 watts (4 ohms at 1 kHz,

DIN)

48 + 48 watts (4 ohms at 1 kHz,

5 % THD)

(other models)

40 + 40 watts (6 ohms at 1 kHz,

DIN)

50 + 50 watts (6 ohms at 1 kHz,

5 % THD)

Music power output

(German model)

100 + 100 watts (4 ohms at 1

kHz, 10 % THD)

(other models)

85 + 85 watts (6 ohms at 1 kHz,

10 % THD)

Total harmonic distortion

0.01% at rated 15 W 1 kHz

output (SOURCE DIRECT ON)

Residual noise

Less than 150 µV, 6 ohms,

Network A

Frequency response

PHONO MM (20 Hz - 20 kHz):

RIAA equalization curve ±0.5

dΒ

TUNER, CD, TAPE, MD, DAT/

VIDEO, ADAPTOR IN: 10 Hz -

50 kHz todB

Input sensitivity

PHONO: MM, 2.5 mV, 50

kilohms

TUNER, CD, TAPE, MD, DAT/

VIDEO, ADAPTOR IN: 150

mV, 50 kilohms

Maximum input capability (1 kHz)

PHONO: MM, 150 mV at 1 kHz

S/N (network)

PHONO: 85 dB(A) (SOURCE

DIRECT ON)

CD: 100 dB(A) (SOURCE

DIRECT ON)

Output voltage impedance

TAPE, MD, DAT/VIDEO,

ADAPTOR: 150 mV, 2 kilohms

HEADPHONES: 25 milliwatts

at 8 ohms, Accepts low and

high impedance headphones.

Tone controls

BASS: ±7 dB at 100 Hz

TREBLE: ±6 dB at 10 kHz

General

System

Pure-complementary SEPP

MOS FET power amplifier

Power requirements

220 - 230 V AC, 50/60 Hz

Power consumption

(German model) 90 W (other models) 85 W

- Continued on next page -

INTEGRATED STEREO AMPLIFIER SONY ®

TABLE OF CONTENTS

Mains				
	1 switched, 175 W max.			
Dimensi	ions	Sect	ion Title	Page
	Approx. $310 \times 90 \times 360$ mm (12	260	<u>11116</u>	rage
	$1/4 \times 35/8 \times 141/4$ inches) (w/h/d)	1.	GENERAL	3
Mass	Approx. 5.5 kg (12 lb 2 oz)	2.	ELECTRICAL ADJUSTMENTS	4
Supplie	d accessories	3.	DIAGRAMS	
	Remote commander RM-S1 (1)	3-1.	Circuit Boards Location	4
	Sony SUM-3 (NS) (2) Audio bus cable (1)	3-2.	Block Diagram	
	Audio bus cable (1)	3-3.	Printed Wiring Boards	
The abo	ove values are mesured at 230 V AC.	3-4.	Schematic Diagram	
(Models	s for European countries.)	3-5.	Semiconductor Lead Layouts	15
		3-6.	IC Pin Function	
	and specifications are subject to without notice.		IC301 Main Controller (TMP87C846N-4	109) 16
		4.	EXPLODED VIEWS	
		4-1.	Front Panel and Case Section	17
		4-2.	Main Board Section	18
		5.	ELECTRICAL PARTS LIST	19

SAFETY-RELATED COMPONENT WARNING!!

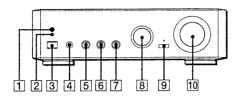
COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL

This section is extracted from instruction manual.

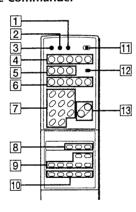
Index to Parts and Controls

Front Panel



- 1 Remote sensor
- 2 ON/STANDBY indicator (7)
- 3 POWER switch (7)
- 4 HEADPHONES jack (7)
- 5 BASS control (7)
- 6 TREBLE control (7)
- 7 BALANCE control (7)
- 8 FUNCTION control (7)
- 9 SOURCE DIRECT control (7)
- 10 ATTENUATOR control (7)

Remote Commander



- 1 MUTING button (7)
- 2 SOURCE DIRECT button
- ③ FUNCTION button
 Each time you press FUNCTION, the function changes as follows:
 DAT/VIDEO → MD → TAPE → CD → TUNER → PHONO →...

- 4 Cassette deck operating buttons
 - (reverse side play)
 - (upper side play)
 - (stop)
 - √★▶ fast leftward / rightward)
 (AMS*)
- 5 Tuner operating buttons
 - SHIFT: Each time you press SHIFT, the letter (A C) changes as follows:
 - $A \rightarrow B \rightarrow C \rightarrow ...$
 - PRESET -/+: Press or + to select the number (0 9).
- 6 CD operating buttons
 - ⊳ (play)
 - II (pause)
 - (stop)
 - **I**◄
 (AMS*)
- 7 Tuner/CD numeric buttons
- 8 Tape control buttons
 - REC (recording)
 - O REC MUTE (recording mute)
 - II (pause)
- 9 CD control buttons
 - CHECK: Press the button to check the programme.
 - CLEAR: Press the button to erase a specific track.
 - CONTINUE: Press the button to play tracks continuously.
 - SHUFFLE: Press the button to play tracks in random order.
 - PROGRAM: Press the button to play tracks in the desired order.
 - REPEAT: Press the button to play tracks repeatedly.
 - TIME: Press the button to change the time to be displayed.
- 10 MD control buttons
 - (play)
 - II (pause)
 - (stop)
 - **I** (AMS*)
- 11 SYSTEM POWER switch (8)
- 12 TUNER/CD switch
- 13 ATTENUATOR +/- buttons

^{*}AMS: Automatic Music Sensor

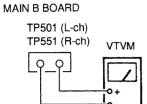
SECTION 2 ELECTRICAL ADJUSTMENTS

Note:

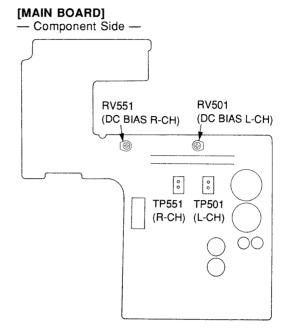
- 1. DC BIAS adjustments should be made four minutes after the POWER switch is turned on (POWER ON).
- 2. After replacing the power transistors, DC BAIS adjustments should be made.

DC Bias Adjustment (with no signal input)

Procedure:

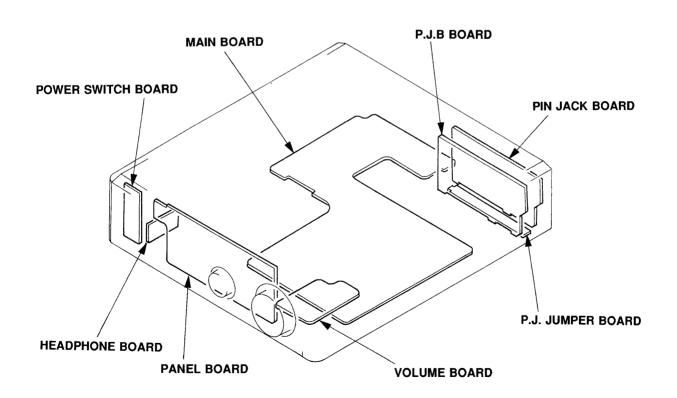


	Adjustment part	Reading on VTVM
L ch	RV501	15mV
R ch	RV551	15mV

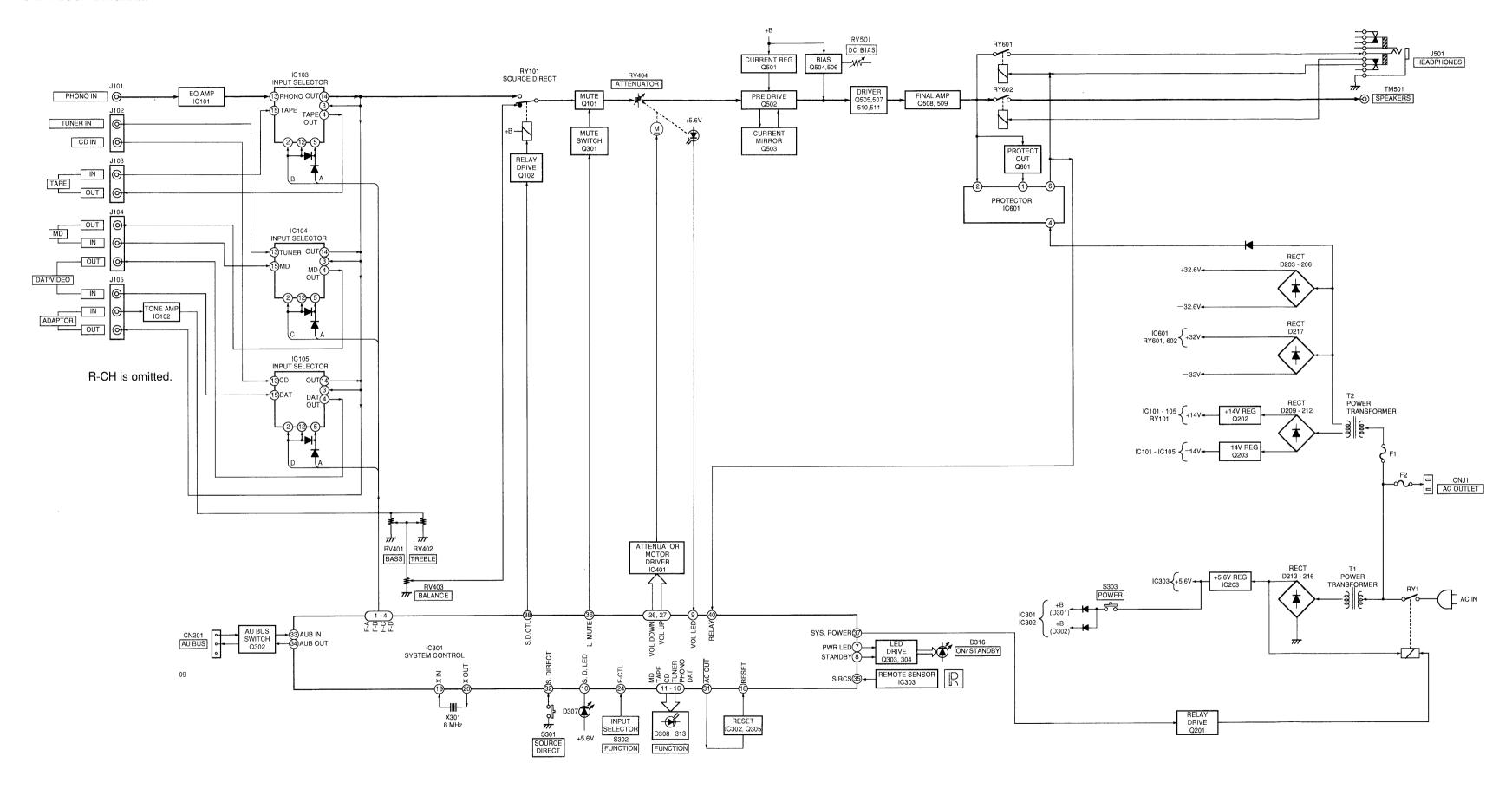


SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION

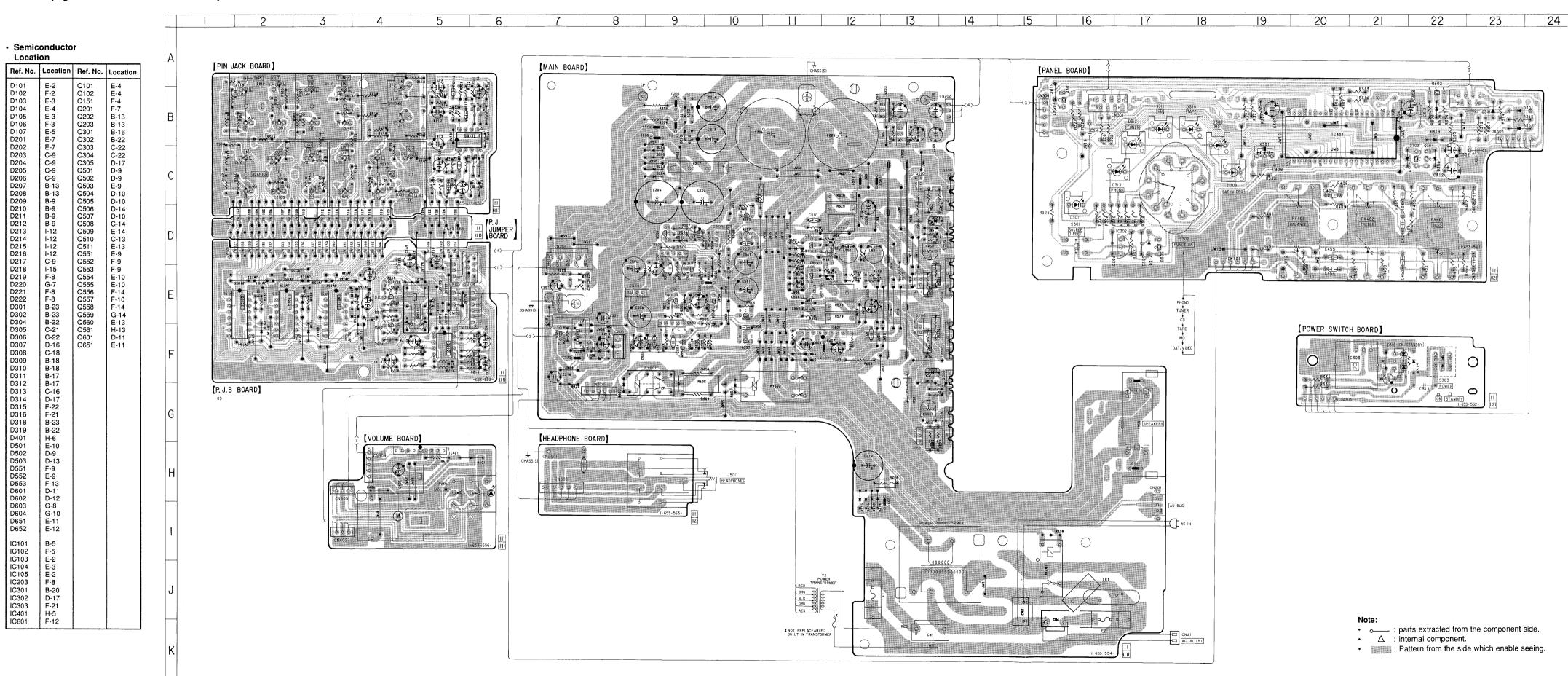


3-2. BLOCK DIAGRAM

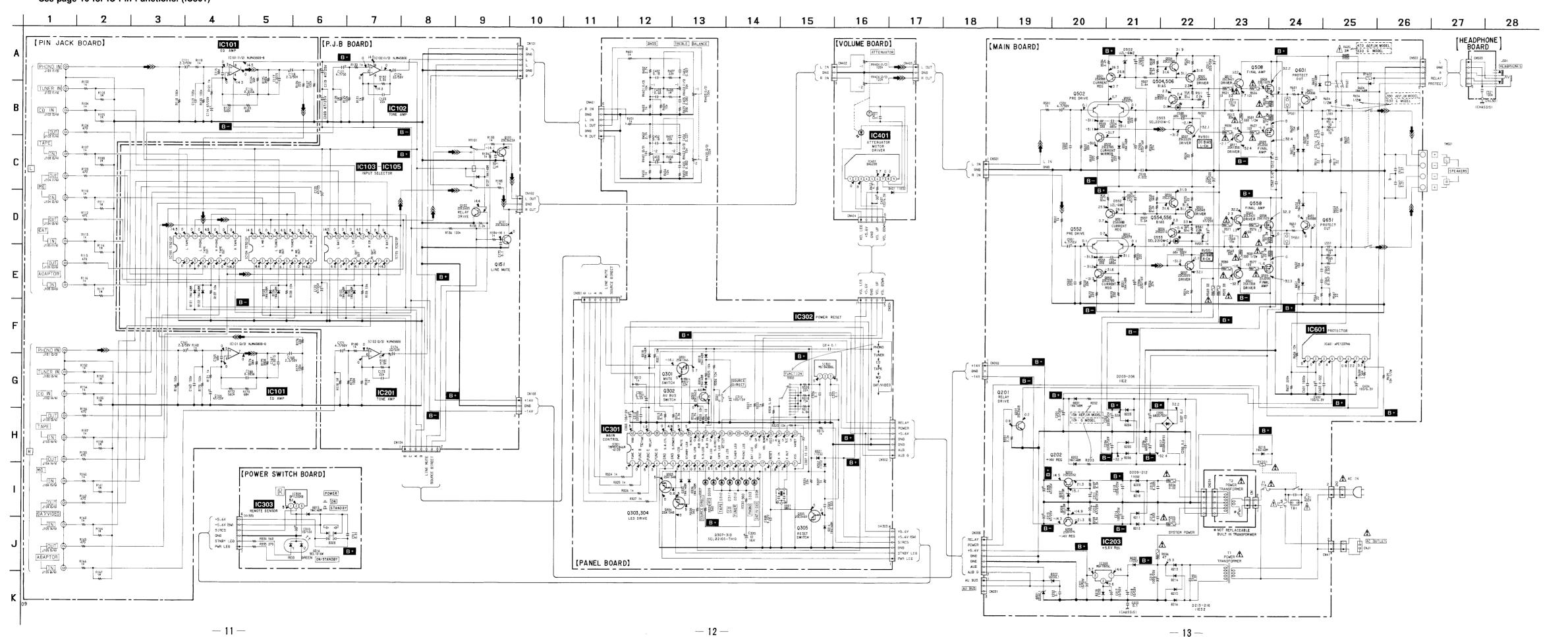


3-3. PRINTED WIRING BOARDS

- See page 4 for Circuit Boards Location.
 See page 15 for Semiconductor Lead Layouts.

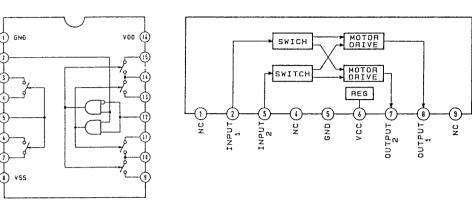


3-4. SCHEMATIC DIAGRAM • See page 16 for IC Pin Functions. (IC301)

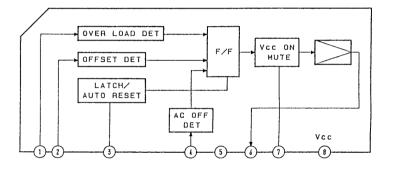


• IC BLOCK DIAGRAMS

IC103, 104, 105 TC9215P IC401 BA6208



IC601 μPC1237HA



- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- monflammable resistor.
- fusible resistor.
- panel designation.

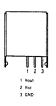
- B+ : B+ Line B- : B- Line
- _____: adjustment for repair.
- Voltage are dc with respect to ground under no-signal
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
- : PHONO
- Abbreviation
- G : German model.

3-5. SEMICONDUCTOR LEAD LAYOUTS

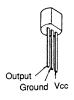
BA6208



GP1U50XB



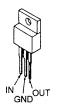
M51943BSL



NJM4580D NJM4580D-D



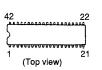
TA7805S



TC9215P



TMP87C846N-4109



μ**PC1237HA**



DTA114ES DTA124ES DTC124ES 2SC2603-EF 2SC3622A-LK



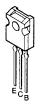
2SA949-OY-E6 2SA988-PAFAEA 2SA2229-OY-E6



2SA979-FG



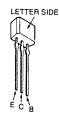
2SA1358-OY 2SC3421-OY



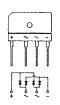
2SB1094-LK 2SD2012



2SC403SP-51



D5SBA20F01

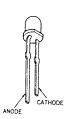


HZS6A1L UZL-6L1 UZL-6M2 UZL-15M

11ES2



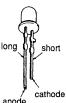
SEL1516W



SEL2210S-TH10



SLR34UW5



1N4148M 10E2



3-6. IC PIN FUNCTION

• IC301 MAIN CONTROLLER (TMP87C846N-4109)

Pin No.	Pin Name	I/O	Function
1	FUNC A	0	Output control A terminal, normal: "L".
2	FUNC B	0	Output control B terminal, normal: "L".
3	FUNC C	0	Output control C terminal, normal: "L".
4	FUNC D	0	Output mute control terminal, normal: "L".
5	GND		GND terminal.
6	GND		GND terminal.
7	PWR LED	0	Power LED drive signal. (ON: L)
8	STANDBY LED	0	Standby LED drive signal. (ON: L)
9	VOL LED	0	Attenuator volume LED drive signal. (ON: L)
10	S.D. LED	0	Source direct LED drive signal. (ON: L)
11	MD LED	0	Function LED drive signal. (ON: L)
12	TAPE LED	0	Function LED drive signal. (ON: L)
13	CD LED	0	Function LED drive signal. (ON: L)
14	TUNER LED	0	Function LED drive signal. (ON: L)
15	PHONO LED	0	Function LED drive signal. (ON: L)
16	DAT LED	0	Function LED drive signal. (ON: L)
17	TEST	I	GND terminal.
18	RESET	I/O	Reset signal. (Reset: L)
19	XIN	I	Clock signal input terminal.
20	XOUT	0	Clock signal output terminal.
21	Vss	_	GND terminal.
22	VAREF	I	A/D conversion power supply terminal.
23	N.C	_	Not used.
24	FUNC	I	Position data of input selector switch.
25	VDD	_	Power supply terminal.
26	VOL DOWN	0	Attenuator volume down control signal, normal: "L".
27	VOL UP	0	Attenuator volume up control signal, normal: "L".
28	_	_	Not used. (Open)
- 29	_	_	Not used. (Open)
30	_	_	Not used. (Open)
31	AC CUT	I	AC cut signal. (Active: L)
32	S. DIRECT	I	Source direct key input terminal. (Active: L)
33	AUB IN	I	AU BUS signal input terminal, normal: "H".
34	AUB OUT	0	AU BUS signal output terminal, normal: "L".
35	SIRCS	I	SIRCS signal input terminal, normal: "H".
36	L. MUTE	0	Line mute control signal. (Active: L)
37	S. POWER	0	System power supply control signal. (Active: H)
38	S.D. CTL	0	Source direct control signal. (Active: H)
39	_	_	Not used. (GND)
40	RELAY	1	RELAY signal input terminal. (Active: L)
41	TA/TAE	I	TA/TAE select signal input terminal.
42	VDD	-	Power supply (+5V) terminal.

SECTION 4 EXPLODED VIEWS

NOTE:

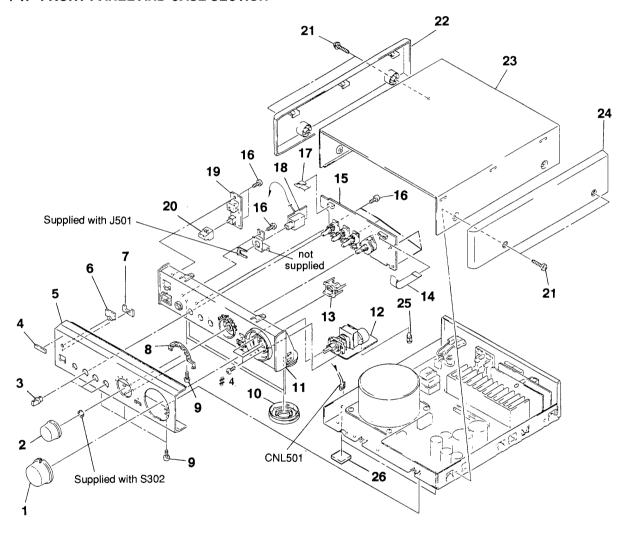
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
- G: German model

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.

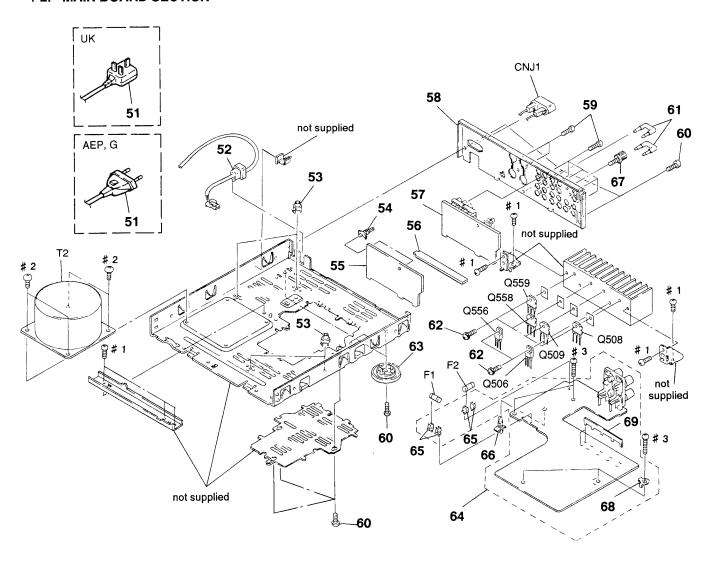
Replace only with part number specified.

4-1. FRONT PANEL AND CASE SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1 2 3 4 5	X-4945-131-1 4-968-107-01 4-969-961-11	KNOB (DIA. 43) ASSY KNOB (DIA. 31) ASSY KNOB (DIA. 13) EMBLEM (NO. 4), SONY PANEL, FRONT		* 15 16 17 * 18 * 19	4-951-620-01 1-696-986-11 1-653-563-11	PANEL BOARD, COMPLETE (G) SCREW (2.6X8), +BVTP WIRE (FLAT TYPE) (7 CORE) HEADPHONE BOARD POWER SWITCH BOARD	
6 7 8 9 10	4-968-090-01 3-704-515-21	FILTER INDICATOR (PO) INDICATOR (FU) SCREW (BV/RING) RING ASSY, FOOT		20 21 22 23 24	X-4945-476-1 4-967-150-11	SCREW (SIDE PANEL) PANEL (L) ASSY, SIDE	
11 * 12 13 14 * 15	1-653-556-11 4-968-089-01 1-751-801-11	BASE ASSY, PANEL VOLUME BOARD BUTTON (1) WIRE (FLAT TYPE) (7 CORE) PANEL BOARD, COMPLETE (AEP, UK)		* 25 26 * CNL501	3-350-847-21 3-342-416-01 1-690-880-11	HOLDER, PCB SHEET (F), INSULATING LEAD (WITH CONNECTOR)	

4-2. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
<u></u>	1-696-571-11	CORD, POWER (AEP, G) CORD, POWER (UK) BUSHING (2104), CORD (AEP, UK)		* 64 65		MAIN BOARD, COMPLETE (G) FUSE HOLDER	
* 52 52 * 53	3-703-244-11	BUSHING (2104), CORD (G) SUPPORT, PC		66 67 68	4-947-010-01	HOLDER, PC BOARD SCREW, FEEDER FIXED TERMINAL BOARD, GROUND	
54 * 55 * 56	1-653-559-11	HOLDER, PC BOARD P. J. B BOARD P. J. JUMPER BOARD		* 69 <u>↑</u> CNJ1	1-560-242-31 1-526-794-11	BUS BAR 5P	
* 57 * 58	1-653-557-11	PIN JACK BOARD PANEL, BACK (AEP)		∴F1 ∴F2 Q506	1-532-259-00	FUSE, TIME LAG (T1A 250V) FUSE, TIME LAG (T1.6A 250V) TRANSISTOR 2SD2012	
* 58 * 58	4-967-149-31	PANEL, BACK (G) PANEL, BACK (UK)		Q508 Q509		TRANSISTOR 2SK1529-Y	
59 60 61	3-704-515-21	SCREW (BV/RING) SCREW (BV/RING) PLUG, JUMPER		Q556 Q558 Q559	8-729-209-15 8-729-232-45 8-729-232-46	TRANSISTOR 2SK1529-Y	
62 63 * 64	X-4945-129-1	SCREW (TRANSISTOR) FOOT ASSY MAIN BOARD, COMPLETE (AEP,UK)		↑T2 ↑T2	1-426-823-11	TRANSFORMER, POWER (G) TRANSFORMER, POWER (AEP, UK)	
ጥ ሀ4	A 4011 000 A	milli bomb, com bbib (mil)		I			

HEADPHONE

SECTION 5 ELECTRICAL PARTS LIST

MAIN

NOTE:

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation G: German model

- RESISTORS
 All resistors are in ohms
 METAL: Metal-film resistor
 METAL OXIDE: Metal Oxide-film resistor
 F: nonflammable
- SEMICONDUCTORS
 In each case, u: μ , for example:
 uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
 uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS uF : μF
- COILS uH: μH

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
*	1-653-563-11	HEADPHONE BOARD)			C222	1-136-165-00	FILM	0. 1uF	5%	50V
·	- 000 000 11	*******				C223	1-164-159-11		0. 1uF	070	50V
						C501	1-124-927-11		4. 7uF	20%	100V
		< CONNECTOR >				C502	1-164-077-11		220PF	10%	50V
		(COMMEDIAN)				0002	1 104 017 11	CLIMITO	2201 T	10/0	301
* CN503	1-564-508-11	PLUG, CONNECTOR	5P			C504	1-164-083-11	CERAMIC	680PF	10%	50V
		LEAD (WITH CONN				C505	1-124-910-11		47uF	20%	50V
· Chiboo.	1 000 000 01	EEND (#1111 CONT	DOTOIL			C506	1-124-120-11		220uF	20%	25V
		< JACK >				C508	1-102-989-00		68PF	5%	500V
						C509	1-124-910-11		47uF	20%	50V
J501	1-507-854-21	JACK, LARGE TYP	E (HEADPHO	ONES)			1 151 010 11		11 (1)	2070	001
0001	1 00. 001 11		- (1121121111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		C510	1-164-023-11	CERAMIC	15PF	5%	50V
*****	******	******	******	******	k******	C511	1-126-053-11		220uF	20%	50V
						C512	1-136-173-00		0. 47uF	5%	50V
*	A-4371-636-A	MAIN BOARD, COM	PLETE (AEI	P. IIK)		C513	1-136-161-00		0. 047uF	5%	50V
•	1011 000	*******	•	, ,		C514	1-136-161-00		0. 047uF	5%	50V
						0011	1 100 101 00	1 I I I I	o. orrar	070	001
*	A-4371-637-A	MAIN BOARD, COM	PLETE (G)			C517	1-136-153-00	FILM	0.01uF	5%	50V
		*******	` '			C518	1-136-157-00		0. 022uF	5%	50V
						C551	1-124-927-11		4. 7uF	20%	100V
	1-533-293-11	FUSE HOLDER				C552	1-164-077-11		220PF	10%	50V
		TERMINAL BOARD,	GROUND			C554	1-164-083-11		680PF	10%	50V
*	1-560-242-31		01100112			****	1 101 000 11	02111111110	00011	1070	001
						C555	1-124-910-11	ELECT	47uF	20%	50V
		< CAPACITOR >				C556	1-124-120-11		220uF	20%	25V
						C558	1-102-989-00		68PF	5%	500V
<u></u> ∧C1	1-161-744-51	CERAMIC	0.01uF		400V	C559	1-124-910-11		47uF	20%	50V
C201	1-124-925-11		2. 2uF	20%	100V	C560	1-164-023-11		15PF	5%	50V
C203	1-126-057-11		2200uF	20%	50V					0.0	
C204	1-126-057-11	ELECT	2200uF	20%	50V	C561	1-126-053-11	ELECT	220uF	20%	50V
C205	1-125-686-11	ELECT	6800uF	20%	50V	C562	1-136-173-00	FILM	0. 47uF	5%	50V
						C563	1-136-161-00	FILM	0.047uF	5%	50V
C206	1-125-686-11	ELECT	6800uF	20%	50V	C564	1-136-161-00		0. 047uF	5%	50V
C207	1-136-165-00	FILM	0. 1uF	5%	50V	C567	1-136-153-00	FILM	0. 01uF	5%	50V
C208	1-136-165-00		0. luF	5%	50V						
C209	1-124-910-11	ELECT	47uF	20%	50V	C601	1-164-085-11	CERAMIC	0.001uF	10%	50V
C210	1-124-910-11	ELECT	47uF	20%	50V	C602	1-124-994-11	ELECT	100uF	20%	6.3V
						C603	1-136-157-00	FILM	0.022uF	5%	50V
C211	1-124-910-11	ELECT	47uF	20%	50V	C604	1-124-994-11	ELECT	100uF	20%	6.3V
C212	1-124-910-11	ELECT	47uF	20%	50V						
C213	1-126-027-11	ELECT	1000uF	20%	25V			< CONNECTOR >			
C214	1-126-027-11	ELECT	1000uF	20%	25V						
C215	1-136-159-00	FILM	0.033uF	5%	50V	* CN1		PIN, CONNECTOR			
						CN2	1-580-230-11	PIN, CONNECTOR	(PC BOARD)	2P	
C216	1-136-159-00		0. 033uF	5%	50V	CN4	1-564-321-00	PIN, CONNECTOR	2P		
C217	1-126-059-11	ELECT	10uF	20%	50V	* CN201		PIN, CONNECTOR)	
C218	1-126-059-11		10uF	20%	50V	* CN202	1-564-506-11	PLUG, CONNECTOR	3P		
C219	1-126-027-11		1000uF	20%	25V		_				
C220	1-136-153-00	FILM	0.01uF	5%	50V	* CN203	1-568-826-11	SOCKET, CONNECTO	OR 7P		
								PIN, CONNECTOR			
C221	1-126-059-11	ELECT	10uF	20%	50V	CN501	1-564-506-11	PLUG, CONNECTOR	3P		
					4	^					

MAIN

Ref. No.	Part No.	Descr	iption	Remark	Ref. No.	Part No.	Description				Remark
* CN502	1-564-508-11	PLUG,	CONNECTOR 5P				< TRANSISTOR	>			
		< DIO	DE >		Q201	8-729-620-05		2SC2603			
D001	0.710.007.00	DIODE	137/1404		Q202	8-729-209-15		2SD2012			
D201	8-719-987-63				Q203	8-729-141-83		2SB1094			
D202	8-719-987-63				Q501	8-729-140-82		2SA988-		A	
D203	8-719-200-02				Q502	8-729-620-18	TRANSISTOR	2SA979-	FG		
D204	8-719-200-02				0500						
D205	8-719-200-02	DIODE	10E2		Q503	8-729-119-78		2SC403S			
D000	0.710.000.00	DIODE	1000		Q504	8-729-119-78		2SC403S			
D206	8-719-200-02				Q505	8-729-021-74		2SA949-		E6	
D207	8-719-001-91				Q506	8-729-209-15		2SD2012			
D208	8-719-001-91				Q507	8-729-021-73	TRANSISTOR	2SC2229	-0Y-T	PE6	
D209	8-719-200-82										
D210	8-719-200-82	DIODE	11ES2		Q508	8-729-232-45		2SK1529			
D011	0 510 000 00	D 7 O D D	11700		Q509	8-729-232-46		2SJ200-			
D211	8-719-200-82				Q510	8-729-020-82		2SC3421			
D212	8-719-200-82				Q511	8-729-020-83		2SA1358			
D213	8-719-200-82				Q551	8-729-140-82	TRANSISTOR	2SA988-	PAFAE.	A	
D214	8-719-200-82										
D215	8-719-200-82	DIODE	11ES2		Q552	8-729-620-18		2SA979-			
					Q553	8-729-119-78		2SC403S	P-51		
D216	8-719-200-82		_ _		Q554	8-729-119-78		2SC403S			
D217	8-719-510-68				Q555	8-729-021-74		2SA949-	OY-TP	E6	
D218	8-719-987-63				Q556	8-729-209-15	TRANSISTOR	2SD2012			
D219	8-719-200-82										
D220	8-719-200-82	DIODE	11ES2		Q557	8-729-021-73		2SC2229	-0Y-T	PE6	
					Q558	8-729-232-45		2SK1529			
D221	8-719-933-33				Q559	8-729-232-46		2SJ200-	Y		
D222	8-719-933-33				Q 560	8-729-020-82		2SC3421	-0Y		
D501	8-719-987-63				Q561	8-729-020-83	TRANSISTOR	2SA1358	-0Y		
D502	8-719-000-60										
D503	8-719-900-19	DIODE	SLR34UW5		Q601	8-729-140-82		2SA988-	PAFAE.	A	
					Q651	8-729-140-82	TRANSISTOR	2SA988-	PAFAE.	A	
D551	8-719-987-63										
D552	8-719-000-60						< RESISTOR >				
D553	8-719-900-19										
D601	8-719-987-63				<u></u> ∧ R201	1-249-421-11		2.2K		1/4W I	
D602	8-719-987-63	DIODE	1N4148M		R202	1-259-454-11		12K	5%	1/6W	
2000					R202	1-259-456-11		15K	5%	1/6W	(AEP, UK)
D603	8-719-987-63				R203	1-259-454-11		12K	5%	1/6W	(G)
D604	8-719-987-63				R203	1-259-456-11	CARBON	15K	5%	1/6W	(AEP, UK)
D651	8-719-987-63										
D652	8-719-987-63	DIODE	1N4148M		R204	1-219-136-11		0. 22			
			n .		R205	1-219-136-11		0, 22		1/4W	
		< FUS	E >		<u>^</u> R206	1-212-873-11		47	5%	1/4W I	?
^ 53					R207	1-259-440-11		3. 3K		1/6W	
<u></u> AF1			TIME LAG (T1A 250V)		R208	1-259-440-11	CARBON	3. 3K	5%	1/6W	
<u></u> ∱F2	1-532-259-00	FUSE,	TIME LAG (T1.6A 250V)								
		,			R501	1-259-428-11		1K	5%	1/6W	
		< IC	>		R502	1-259-464-11		33K	5%	1/6₩	
10000	0 750 001 =0	70	T170050		R503	1-259-416-11		330	5%	1/6W	
	8-759-231-53		TA7805S		R504	1-259-436-11		2. 2K	5%	1/6W	
10601	8-759-111-68	IC 1	uPC1237HA		R505	1-259-412-11	CARBON	220	5%	1/6₩	
		/ 007	r \		5=65	1 050 105	alpha				
		< COI	L >		R506	1-259-462-11		27K	5%	1/6₩	
u T E O 1	1 400 070 00	COTT	AID CODE		R507	1-259-446-11		5. 6K		1/6W	
* L501	1-420-872-00				R508	1-259-422-11		560	5%	1/6W	
* L551	1-420-872-00	CUIL,	AIR CURE		R509	1-259-440-11		3. 3K		1/6₩	
					R510	1-259-438-11	CARBON	2.7K	5%	1/6₩	
											

MAIN P.J. JUMPER P.J.B

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R511	1-259-436-11	CARBON	2. 2K	5%	1/6W		R604	1-249-792-11	CARBON	390	5%	1/2W	(AEP, UK)
R513	1-259-464-11		33K	5%	1/6W		<u></u> 1.00 R605	1-215-914-11		330	5%		F(G)
R514	1-259-380-11	CARBON	10	5%	1/6W		<u></u> 1.005 €	1-215-915-11	METAL OXIDE	470	5%	3₩	F(AEP, UK)
R515	1-259-380-11		10	5%	1/6W		R606	1-259-452-11	CARBON	10K	5%	1/6W	
R516	1-259-388-11	CARBON	22	5%	1/6W		R607	1-259-484-11	CARBON	220K	5%	1/6W	
				===			D000		C.L.D.D.O.V	5 017		1 (077	
R517	1-259-388-11 1-212-857-00		22	5%	1/6W		R608	1-259-470-11 1-247-764-11		56K	5%	1/6₩	
<u></u> R521			10 220	5% 5%	1/4W F 1/6W		R609 R651			10K 1K	5% 5%	1/2W 1/6W	
R522	1-259-412-11 1-259-412-11		220	5% 5%	1/6W		R652	1-259-428-11 1-259-456-11		15K	5% 5%	1/6W	
R523 R524	1-259-388-11		220	5%	1/6W		R653	1-259-484-11		220K		1/6W	
11324	1-235-300-11	CARDON	22	J/0	1/0#		1000	1 233 404 11	CARDON	220K	370	1/01	
R525	1-259-388-11	CARBON	22	5%	1/6W		R654	1-249-661-11	CARBON	330	5%	1/2W	(G)
<u></u> 1. ₹R526	1-212-881-11	FUSIBLE	100	5%	1/4W F		R654	1-249-792-11	CARBON	390	5%	1/2W	(AEP, UK)
<u></u> 1. R527	1-212-881-11	FUSIBLE	100	5%	1/4W F								
<u></u> 1. R528	1-217-151-00	METAL PLATE	0.22		2W F				< VARIABLE RESI	STOR	>		
<u></u> 1. ₹R529	1-217-151-00	METAL PLATE	0.22		2W F								
									RES, ADJ, CERME				
<u></u> 1 R530	1-212-857-00		10		1/4W F		RV551	1-241-761-11	RES, ADJ, CERME	ET 1K	(DC B	IAS R-	-CH)
<u></u> 1 R531	1-212-994-00		330		1/2W F								
R551	1-259-428-11		1K		1/6W				< RELAY >				
R552	1-259-464-11		33K	5%	1/6W		A D1/001	. 515 0/0 11	DD1 111				
R553	1-259-416-11	CARBON	330	5%	1/6W			1-515-849-11					
DEE 4	1 050 490 11	CADDON	0 017	F0/	1 /CW			1-515-727-11 1-515-676-11					
R554	1-259-436-11		2. 2K		1/6W		KIOUZ	1-515-676-11	KELAT				
R555	1-259-412-11		220		1/6W				/ TDANCEODMED				
R556	1-259-462-11 1-259-446-11		27K 5.6K		1/6W 1/6W				< TRANSFORMER >	,			
R557 R558	1-259-422-11		5. ok	5%	1/6W		/ \T1	1_440_071_21	TRANSFORMER, PO	JWED			
1,550	1-235-422-11	CANDON	300	3/0	1/0#		<u>\1\11</u>	1449-011-21	TRANSPORMER, TO)#EII			
R559	1-259-440-11	CARBON	3. 3K	5%	1/6W				< BASE POST >				
R560	1-259-438-11	CARBON	2.7K	5%	1/6W								
R561	1-259-436-11	CARBON	2.2K	5%	1/6W		TB1	1-535-139-00	BASE POST 22MM	(10MM	PITC	H) 2P	
R563	1-259-464-11		33K	5%	1/6₩								
R564	1-259-380-11	CARBON	10	5%	1/6W				< TERMINAL >				
R565	1-259-380-11	CARRON	10	5%	1/6W		TM501	1-537-530-41	TERMINAL BOARD	(SPFA	KEBS)		
R566	1-259-388-11		22		1/6W			1-535-115-00		(OI Dii	ши		
R567	1-259-388-11		22		1/6W			1-535-115-00					
/₹\R569	1-212-869-00		33		1/4W F		. 11001	1 000 110 00					
<u> </u>	1-212-869-00		33		1/4W F		******	******	*******	*****	****	*****	*****
^ F===	. 010 0== 00	DUOLDY D	10	50 /	1 /477 5			1 050 550 55	D 1 110000 ===	. DD			
<u>↑</u> R571	1-212-857-00		10		1/4W F		*	1-053-558-11	P. J. JUMPER BOA				
R572	1-259-412-11		220 220	5% 5%	1/6W 1/6W				********	***			
R573	1-259-412-11			5% = «			*****	L		L L L L L L L	****	***	
R574 R575	1-259-388-11 1-259-388-11		22 22	5% 5%	1/6W 1/6W		*****	*****	******	*****	****	*****	*****
RSTS	1-239-300-11	CARDON	44	J/0	1/0#		*	1-653-559-11	P I B BOARD				
<u></u> 1. ₹R576	1-212-881-11	FUSIBLE	100	5%	1/4W F		*	_ 000 000 11	*******				
<u>1</u> 1.R577	1-212-881-11		100	5%	1/4W F								
/1\R578	1-217-151-00		0. 22		2W F				< CAPACITOR >				
<u>1</u> R579	1-217-151-00		0. 22		2W F								
<u>1</u> R580	1-212-857-00		10	5%	1/4W F		C119	1-126-022-11	ELECT	47uF		20%	25V
							C120	1-126-022-11		47uF		20%	25 V
<u></u> 1.7€ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £	1-212-994-00	FUSIBLE	330	5%	1/2W F		C121	1-124-927-11	ELECT	4. 7u	F	20%	100V
R601	1-259-428-11		1K	5%	1/6W		C123	1-162-207-31		22PF		5%	50V
R602	1-259-456-11	CARBON	15K	5%	1/6W		C124	1-124-916-11	ELECT	22uF		20%	63V
R603	1-259-484-11	CARBON	220K	5%	1/6W								
R604	1-249-661-11	CARBON	330	5%	1/2W ((G)	C125	1-164-159-11	CERAMIC	0. 1u	F		50V
							C169	1-126-022-11	ELECT	47uF		20%	25V

P.J.B PANEL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			D. 1
Mer. No.						Kel, No.	rait No.	<u>bescription</u>			Remark
C170 C171	1-126-022-11 1-124-927-11		47uF 4. 7uF	20% 20%	25V 100V	R184	1-259-428-11	CARBON	1K 5%	1/6W	
C173	1-162-207-31		4. 7ur 22PF	20% 5%	50V			< RELAY >			
C174	1-124-916-11		22uF	20%	63V	DV101					
C175	1-164-159-11	CERAMIC	0. 1uF		50V	RY101	1-515-803-11	RELAY			
		< CONNECTOR >				******	******	*******	******	*****	*****
* CN101	1-564-509-11	PLUG, CONNECTOR	6P			*	A-4371-633-A	PANEL BOARD, COM	IPLETE (AE	P. UK)	
		PLUG, CONNECTOR						*******			
		PLUG, CONNECTOR SOCKET, CONNECTO				*	A-4371-640-A	PANEL BOARD, COM	IPLETE (G)		
							10/12 010 11	********	,		
		< DIODE >						< CAPACITOR >			
D101	8-719-987-63							· om nerron /			
D102	8-719-987-63					C301		DOUBLE LAYERS	0. 22F	000/	5.5V
D103 D104	8-719-987-63 8-719-987-63					C302 C303	1-126-157-11 1-124-994-11		10uF 100uF	20% 20%	16V
D104	8-719-987-63					C305	1-124-354-11		0. 1uF	20%	10V 50V
2100	0 120 001 00	21022 111111011				C306	1-164-159-11		0. 1uF		50V
D106	8-719-987-63	DIODE 1N4148M				0000	1 101 100 11	CDITIMITO	o. rur		001
D107	8-719-987-63	DIODE 1N4148M				C307	1-126-157-11	ELECT	10uF	20%	16V
						C308	1-161-494-00	CERAMIC	0. 022uF		25V
		< IC >				C309	1-161-494-00		0. 022uF		25V
10100	0 750 711 05					C312	1-124-994-11		100uF	20%	10V
	8-759-711-35 8-759-051-63					C313	1-161-494-00	CERAMIC	0. 022uF		25V
	8-759-051-63					C314	1 164 150 11	CEDANIC	0 1D		F01/
	8-759-051-63					C402	1-164-159-11 1-137-189-11		0. 1uF 0. 18uF	5%	50V 50V
10100	0 100 001 00	10 1002101				C402	1-136-175-00		0. 68uF	5%	50V
		< TRANSISTOR >				C404	1-136-158-00		0. 027uF	5%	50V
						C405	1-136-164-00		0. 082uF	5%	50V
Q101	8-729-141-26		C3622A-LK								
Q102	8-729-620-05		C2603-EF			C452	1-137-189-11		0. 18uF	5%	50V
Q151	8-729-141-26	TRANSISIOR 250	C3622A-LK			C453	1-136-175-00 1-136-158-00		0. 68uF	5%	50V
		< RESISTOR >				C454 C455	1-136-158-00		0. 027uF 0. 082uF	5% 5%	50V 50V
		(RESTOTOR)				C521	1-164-070-11		100PF	5%	50V 50V
R128	1-259-500-11	CARBON	1M 5%	1/6W			1 101 010 11	CLITIMITO	10011	0/0	501
R129	1-259-476-11	CARBON	100K 5%	1/6₩				< CONNECTOR >			
R130	1-259-428-11		1K 5%	1/6W							
R131	1-259-428-11		1K 5%	1/6W				SOCKET, CONNECTO			
R132	1-259-442-11	CARBON	3.9K 5%	1/6W				SOCKET, CONNECTO			
R133	1-259-428-11	CAPRON	1K 5%	1 /GW				PLUG, CONNECTOR			
R134	1-259-428-11		1K 5%	1/6₩ 1/6₩		* CN401	1-504-509-11	PLUG, CONNECTOR	bΡ		
R135	1-259-436-11		2. 2K 5%	1/6\\				< DIODE >			
R136	1-259-476-11		100K 5%	1/6W				(DIODE)			
R137	1-259-452-11		10K 5%	1/6W		D301	8-719-200-82	DIODE 11ES2			
						D302	8-719-200-82	DIODE 11ES2			
R138	1-259-452-11		10K 5%	1/6W		D304	8-719-987-63	·			
R139	1-259-452-11		10K 5%	1/6W		D305	8-719-987-63				
R178	1-259-500-11		1M 5%	1/6₩		D306	8-719-987-63	DIODE 1N4148M			
R179 R180	1-259-476-11 1-259-428-11		100K 5% 1K 5%	1/6W		D207	0 710 010 40	DIODE ODIGOTOS	TI10 (00)	UDAR ST)DOm\
1/100	1 400 440-11	CANDON	1K 5%	1/6₩		D307 D308	8-719-313-43 8-719-313-43		-TH10 (SO) -TH10 (DA)		
R181	1-259-428-11	CARBON	1K 5%	1/6W		D308	8-719-313-43		-TH10 (DA)		
R182	1-259-442-11		3. 9K 5%	1/6W		D310	8-719-313-43		TH10 (MD)		
R183	1-259-428-11		1K 5%	1/6W		D311	8-719-313-43		-TH10 (CD)		
									, -,		

PANEL PIN JACK

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description			Remark
D312 D313	8-719-313-43 8-719-313-43	DIODE SEL2210	S-TH10	(TUNER) (PHONO)			R409 R451	1-259-418-11 1-259-428-11		390 5% 1K 5%	1/6W 1/6W	
D314 D318 D319	8-719-987-63 8-719-987-63 8-719-987-63	DIODE 1N4148M	Ī				R452 R453 R454	1-259-438-11 1-259-428-11 1-259-452-11	CARBON	2.7K 5% 1K 5% 10K 5%	1/6W 1/6W 1/6W	
		< IC >					R454 R457 R458	1-259-460-11 1-259-500-11	CARBON	22K 5% 1M 5%	1/6W 1/6W	'
	8-759-284-90 8-759-635-63		I-4109				R459	1-259-418-11	CARBON	390 5%	1/6₩	,
		< TRANSISTOR >							< VARIABLE RESIS	STOR >		
Q301 Q302 Q303 Q304	8-729-900-63 8-729-620-05 8-729-900-61 8-729-900-61	TRANSISTOR 2S TRANSISTOR DT	TA124ES SC2603-E TA114ES TA114ES	EF			RV402	1-241-974-11	RES, VAR, CARBON RES, VAR, CARBON RES, VAR, CARBON	N 10K/10K	(TREBLE	
Q305	8-729-900-36	TRANSISTOR DT	C124ES						< SWITCH >			
R301	1-249-429-11	< RESISTOR >	10K	5% 1/	′4W		S301 S302		SWITCH, TACTILE SWITCH, ROTARY			
R302 R303	1-249-429-11 1-249-433-11 1-249-429-11	CARBON		5% 1/	4W 4W				< VIBRATOR >			
£303 <u>₹</u> R304 R305	1-249-393-11 1-249-429-11	CARBON	10	5% 1/	'4W '4W	F	X301	1-579-125-11	VIBRATOR, CERAM	IC (8MHz)		
							******	******	******	******	*****	*****
R306 <u>↑</u> R307	1-249-429-11 1-249-417-11	CARBON		5% 1/	′4₩ ′4₩	F	*	1-653-557-11	PIN JACK BOARD			
R308 R309 R310	1-249-426-11 1-249-433-11 1-249-431-11	CARBON	5. 6K 22K 15K	5% 1/	′4₩ ′4₩ ′4₩				************ < CAPACITOR >			
/î\R311	1-249-427-11		6. 8K	_,	′4₩	F	C111	1-124-925-11		2, 2uF	20%	100V
<u></u> R312	1-249-417-11	CARBON	1K	5% 1/	′4W	F	C113	1-162-282-31	CERAMIC	100PF	10%	50V
<u>^</u> R313 <u>^</u> R314	1-249-423-11 1-249-423-11		3.3K 3.3K		′4W ′4W		C114 C115	1-124-910-11 1-162-219-31		47uF 68PF	20% 5%	50V 50V
<u>∧</u> R315	1-249-417-11				4W		C116	1-130-480-00		0. 0056uF	5%	50V
<u>^</u> R316	1-249-425-11 1-249-417-11		4.7K		4W		C117 C118	1-130-473-00 1-124-925-11		0. 0015uF		50V
<u>^</u> R321 /^R322	1-249-417-11				4W 4W		C118 C161	1-124-925-11		2. 2uF 2. 2uF	20% 20%	100V 100V
R323	1-249-429-11		10K		4W			1-162-282-31		100PF	10%	50 V
<u>_</u> R324	1-249-417-11	CARBON	1K	5% 1/	4W	F	C164	1-124-910-11	ELECT	47uF	20%	50 V
<u>^</u> R325	1-249-417-11				4W		C165	1-162-219-31		68PF	5%	50V
<u>^</u> R326 <u>^</u> R327	1-249-417-11 1-249-417-11		1K 1K		4W 4W		C166 C167	1-130-480-00 1-130-473-00		0. 0056uF 0. 0015uF	5% 5%	50 V 50 V
<u>^</u> R328	1-249-414-11				4W		C168	1-124-925-11		2. 2uF	20%	100V
<u>^</u> R329	1-249-414-11	CARBON	560	5% 1/	4W	F			< IC >			
<u>^</u> R330 R333	1-249-414-11 1-249-433-11				4W 4W	F	IC101	8-759-710-59	IC NJM4580D-D			
R401	1-259-428-11		1K		6W		10101	0 100 110 00				
R402	1-259-438-11				6W				< JACK >			
R403	1-259-428-11	CARBUN	1K	5% 1/	6₩		* J101	1-764-389-11	JACK, PIN 2P (PH	HONO IN)		
R404	1-259-452-11			5% 1/			J102	1-766-261-11	JACK, PIN 4P (TU	JNER/CD II		
R407 R408	1-259-460-11 1-259-500-11			5% 1/ 5% 1/			J103 J104		JACK, PIN 4P (TA JACK, PIN 6P (MI		(1)	
1.400	1 202-300-11	CAINDON	TIAI	J/0 1/	U		J104	1 200-002-11	JACK, FIN OF (ML	/ IN/OUI)		

PIN JACK POWER SWITCH VOLUME

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
J105	1-565-303-11	JACK, PIN 6P < RESISTOR >	(DAT/VID	EO/ADAPT	OR IN/OUT)	R171 R172 R173 R174	1-259-428-11 1-259-494-11 1-259-472-11 1-259-470-11	CARBON CARBON	1K 5% 560K 5% 68K 5% 56K 5%	1/6W 1/6W 1/6W 1/6W	
R102	1-259-428-11		1K		/6₩	R175	1-259-490-11	CARBON	390K 5%	1/6W	
R103 R104	1-259-500-11 1-259-428-11		1M 1K		/6₩ /6₩	R176	1-259-412-11	CADDOM	220 5%	1 /CW	
R105	1-259-500-11		1M		/6₩	R177	1-259-476-11		100K 5%	1/6W 1/6W	
R106	1-259-420-11	CARBON	470		∕6₩				20012 070	2,011	
D107	1 050 400 11	CADDON	117	F0/ 3	/OW	******	******	******	******	*****	*****
R107 R108	1-259-428-11 1-259-500-11		1K 1M		∕6₩ ∕6₩	*	1_652_562_11	POWER SWITCH BOA	A DD		
R109	1-259-420-11		470		/6₩	^	1-055-502-11	*********			
R110	1-259-428-11		1K		∕6₩						
R111	1-259-500-11	CARBON	1M	5% 1	∕6₩			< CAPACITOR >			
R112	1-259-420-11	CARRON	470	5% 1	∕6₩	C310	1-126-157-11	EI ECT	10uF	20%	16V
R113	1-259-428-11		1K		/6₩	C311	1-162-306-11		0. 01uF	30%	16V
R114	1-259-500-11		1M		∕6₩	"	1 100 000 11	ODIUM I	o. orai	00%	101
R115	1-259-420-11		470		∕6₩		,	< DIODE >			
R116	1-259-428-11	CARBON	1K	5% 1	∕6₩						
R117	1-259-500-11	CADDON	1M	5% 1	∕6₩	D315				IDDW)	
R118	1-259-476-11		100K		′6₩	D316	8-719-313-40	DIONE SELISION	W (ON/STAI	NDBI)	
R119	1-259-428-11		1K		∕6₩			< IC >			
R120	1-259-476-11	CARBON	100K	5% 1	⁄6₩						
R121	1-259-428-11	CARBON	1K	5% 1.	∕6₩	IC303	8-749-922-36	IC GP1U50XB			
R122	1-259-494-11	CARRON	560K	E% 1	∕6₩			/ DECICTOR \			
R122	1-259-454-11		68K		′6₩			< RESISTOR >			
R124	1-259-470-11		56K		′6₩	∕î\R334	1-249-414-11	CARBON	560 5%	1/4W	F
R125	1-259-490-11		390K		∕6₩	/NR335	1-249-410-11		270 5%	1/4W	
R126	1-259-412-11	CARBON	220	5% 1,	∕6₩					-,	-
D197	1 950 476 11	CADDON	1007	F0/ 1	/ew			< SWITCH >			
R127 R152	1-259-476-11 1-259-428-11		100K 1K		∕6₩ ∕6₩	S303	1 554 119 00	SWITCH, PUSH (1	NEA) (DOM	(מי	
R153	1-259-500-11		1M		′6₩	3303	1-354-116-00	Switch, rush (1	VCI) (LOM	cr)	
R154	1-259-428-11		1K		′6₩	 *******	************	*******	******	******	*****
R155	1-259-500-11	CARBON	1M	5% 1,	′6₩						
D1 F.C	1 000 400 11	CADDON	170	F0/ 1	/CW	*	1-653-556-11				
R156 R157	1-259-420-11 1-259-428-11		470 1K		∕6₩ ∕6₩			*****			
	1-259-500-11				′6₩			< CAPACITOR >			
R159	1-259-420-11				′6₩			Children /			
R160	1-259-428-11	CARBON	1K		′6₩	C406	1-164-159-11	CERAMIC	0. 1uF		50V
D161	1 950 500 11	CADDON	114	50 / 1	/OW	C407	1-124-443-00	ELECT	100uF	20%	10V
R161 R162	1-259-500-11 1-259-420-11		1M 470		′6₩ ′6₩			(CONNECTOR)			
R163	1-259-428-11		1K		′6₩ ′6₩			< CONNECTOR >			
R164	1-259-500-11		1M		′6₩	* CN402	1-564-506-11	PLUG, CONNECTOR	3P		
R165	1-259-420-11		470		′6₩	1		PLUG, CONNECTOR			
								PLUG, CONNECTOR			
R166	1-259-428-11		1K		′6₩ ′6₩						
R167 R168	1-259-500-11 1-259-476-11		1M 100K		′6₩ ′6₩			< DIODE >			
R169	1-259-476-11		100K 1K		′6₩ ′6₩	D401	8_710_200_00	DIODE 11ES2			
R170	1-259-476-11		100K		′6₩	1 401	0 110-700-07	DIONE 11592			
				-,				< IC >			
						10401	0 750 000 00	TC DACGOO			
						1 10401	8-759-962-08	IC RV6508			

VOLUME

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description	Remark
		< RESISTOR >						**************************************	
<u>^</u> R410	1-249-389-11	CARBON	4.7 5%	1/4W	F			HARDWARE LIST ************************************	
		< VARIABLE RESI	ISTOR >			#1 #2		-79 SCREW +BVTP 3X6 TYPE2 N-S -04 SCREW +BVTT 4X6 (S)	
RV404	1-241-921-21	RES, VAR, CARBO	ON 120K/120F	(ATTEN	NUATOR)	#3 #4	7-685-650-	-79 SCREW +BVTP 3X16 TYPE2 -79 SCREW +BVTP 3X8 TYPE2 IT-3	
******	******	******	*******	*****	******	π-1	7 005 040	75 OCKER 10111 SKG 11112 11 0	
		MISCELLANEOUS *******							
14 17 <u>↑</u> 51 <u>↑</u> 51 61	1-696-986-11 1-575-651-21 1-696-571-11	WIRE (FLAT TYPE WIRE (FLAT TYPE CORD, POWER (AE CORD, POWER (UP PLUG, JUMPER	E) (7 CORE) EP, G)						
65 68 * 69 <u>↑</u> CNJ1 * CNL501	1-560-242-31 1-526-794-11	TERMINAL BOARD, BUS BAR 5P							
⚠F1 ⚠F2 Q506 Q508 Q509		TRANSISTOR 25		<i>I</i>)					
Q556 Q558 Q559 <u>↑</u> 12 <u>↑</u> 12		TRANSISTOR 25		()					
******	******	*******	*******	*****	******				
		S & PACKING MATE							
	1-590-219-11 3-759-590-11	REMOTE COMMANDE CORD (WITH CONMANUAL, INSTRUC (ENGLISH, FRENCH MANUAL, INSTRUC	NECTOR) CTION H, SPANISH, PO CTION						
	3-759-590-51	(GERMAN, DUTO MANUAL, INSTRUC							
* * *	4-968-991-01 4-968-992-61 4-970-588-11	CASE, BATTERY CUSHION (AEP, G) INDIVIDUAL CART PLATE (PIN JACK PLATE (PIN JACK)) TON (AEP,G) K 4P),INDIC						
******	*******	*******	*******	*****	******				